

Protein translocase subunit SECA2, chloroplastic (SECA2), Recombinant Protein

Cat *RP05451*

Species

Arabidopsis thaliana (Mouse-ear cress)

Full Product Name

Recombinant *Arabidopsis thaliana* Protein translocase subunit SECA2, chloroplastic (SECA2) , partial

Product Gene Name

SECA2 recombinant protein

Purity

Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)

Format

Lyophilized or liquid (Format to be determined during the manufacturing process)

Host

E Coli or Yeast or Baculovirus or Mammalian Cell

Molecular Weight

118,932 Da

Storage

Store at -20°C. For long-term storage, store at -20°C or -80°C. Store working aliquots at 4°C for up to one week. Repeated freezing and thawing is not recommended.

Protein Family

Protein translocase

NCBI Accession

NP_001185059.1

NCBI GI

334182752

NCBI GenBank Nucleotide

NM_001198130.1

NCBI GeneID

838767

NCBI Official Full Name

Preprotein translocase SecA family protein

NCBI Official Symbol

SECA2

NCBI Official Synonym Symbols

F8K7.7; F8K7_7

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

Protein translocase subunit SECA2, chloroplastic (SECA2), Recombinant Protein

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NCBI Protein Information

Preprotein translocase SecA family protein

NCBI Summary

Encodes a component of the thylakoid-localized Sec system involved in the translocation of cytoplasmic proteins into plastid. Loss-of-function mutations result in arrest at the globular stage and embryo lethality.

UniProt Gene Name

SECA2

UniProt Protein Name

Protein translocase subunit SECA2, chloroplastic

UniProt Primary Accession

D8WUA4

UniProt Secondary Accession

Q9XI14; F4HY37

UniProt Related Accession

D8WUA4

UniProt Comments

Involved in protein export. Probably interacts with other proteins to allow the postimport or conservative sorting pathway for inner membrane proteins in plastids. May have a central role in coupling the hydrolysis of ATP to the transfer of proteins across the membrane.

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